Attorney Docket No.: M-9209-1P US

200 WONDLY IOLOG	1	47. The apparatus of claim 35 wherein the data replacement routine comprises
	2	a multi-process two-dimensional matrix transpose operation.
	1	48. The apparatus of claim 35 wherein the multi-process two-dimensional
	2	matrix transpose operation is one of an AllToAll operation, an AllToAllV operation,
	3	and an AllToAllW operation, as defined by the Message Passing Interface 2 (MPI-2)
	4	standard.
	1	49. The apparatus of claim 35 wherein the computer program further
	2	comprises:
	3	a storing routine for storing the hogel portion matrix in at least one file on the
	4	storage medium, the storage medium being one of a magnetic storage
	5	medium, an electronic storage medium, and an optical storage medium.
	1	50. A computer implemented method of processing image data for use in
	2	holographic stereograms:
	3	providing a plurality of image data sets;
	4	loading at least a portion of one of the plurality of image data sets into a
	5	memory, the at least a portion of one of the plurality of image data sets
	6	including a plurality of pixel values;
	7	copying a first one of the plurality of pixel values from the at least a portion of
	8	one of the plurality of image data sets to a first hogel portion in a hogel
	9	buffer in the memory;
	10	copying a second one of the plurality of pixel values from the at least a portion
	11	of one of the plurality of image data sets to a second hogel portion in
	12	the hogel buffer in the memory
	1	51. The computer-implemented method of claim 50 wherein the providing a
	2	plurality of image data sets further comprises:
	3	providing a computer graphics model of a scene;
	4	generating a plurality of sets of light-field data from the computer graphics
	5	model of a scene using an isotropic parameterization of a light field,
	6	each of the plurality of sets of light-field data corresponding to a
	7	respective one of the plurality of image data sets.